

ABSTRACT

An inkjet printhead chip includes a substrate that defines a plurality of ink supply channels. A drive circuitry layer is positioned on the substrate. A plurality of nozzle arrangements is positioned on the substrate. Each nozzle arrangement includes a nozzle chamber defined by the substrate. A roof structure is positioned over the nozzle chamber. The roof structure defines an ink ejection port. At least one actuator is positioned in the roof structure and is displaceable with respect to the substrate on receipt of an electrical current from the drive circuitry layer to reduce a volume of the nozzle chamber so that ink is ejected from the ink ejection port.